ABSTRACT OF THE DISCLOSURE

A client-server system may include a distributed store configured to maintain a primary state of session data. The system may also include one or more application servers that each may include a client state of the session data for access by clients of the system. The session data may include one or more attributes. An application server may track accesses of the attributes. In one embodiment, the application server may track accesses of the attributes by storing information identifying the accessed attributes. The distributed store may synchronize the primary state with the client state using the tracked accessed attributes. In some embodiments, the application server may perform a binary or object graph comparison of the tracked accessed attributes and a benchmark of the session data to determine the attributes that are modified, and the distributed store may synchronize the primary state with the client state using only the modified attributes.